
Boltwork

General

The SECU boltwork range has been designed to meet the safe and vault requirements of the pending new European standard. The individual boltworks are suitable for immediate installation in safe door systems as modular lock units. Manipulation security played a key role in the development of the boltworks. In addition, they are supplied with a number of features preventing forceful entry, which results in a high degree of security against unauthorized access in combination with the security features of the safe or strongroom itself.

A special feature of the SECU boltworks is the remarkably small size of the lock modules making it all the more difficult to gain access to the internals of the boltworks by using manipulation tools, and as the boltworks are also very flat, they are suitable for use with modern safe doors which are much thinner than in the past as a result of the newly developed armouring materials.

We have developed different boltworks in accordance with the requirements of resistance grades CEN I to CEN V of the European standard. In line with this classification, the boltworks vary in mechanical strength, antimanipulation and drill protection features and, of course, in the type and number of VdS-approved security locks they are equipped with. This offers the user a choice of pre-assembled double-bit high security locks, mechanical combination locks and electronic locks.

The boltwork mechanism has several independent blocking positions and, as a standard feature, locks to all four sides. However, it is not necessary to connect all four boltplates for the mechanism to be operable. The design of the mechanism is such that the resetting force generated by the pressure exerted on the basquill bolt in an attempt at forceful opening is not transferred to the other bolts. Depending on the application requirement, the bolt lift is set to 20, 25 or 30 mm at the time the boltwork module is manufactured. In addition to the standard clockwise locking design, each type of boltwork can also be supplied for counter-clockwise locking applications.

The boltworks prevent the forceful removal of the locks and other functional elements with manual tools. They are supplied with the means needed for subsequent mounting of the elements of an electronic alarm system to signal the position of the bolt.

All SECU boltwork models have an integrated, pre-mounted emergency blocking system to protect the security-defining elements of the modular unit.

Any attempt at forceful access will cause the emergency blocking system to activate a number of blockings which cannot be reset from outside. The modules are provided with the means to link the internal emergency blocking system to the master interlocking system of the safe door.